

VITAE

Dr. T. A. Loomis

PERSONAL DATA**REDACTED**ACADEMIC TRAINING AND GRADUATE DEGREES.

B.S.	University of Washington (Pharmacy)	1939
M.S.	University of Buffalo (Pharmacology)	1941
Ph.D.	University of Buffalo (Pharmacology and Physiology)	1943
M.D.	Yale University, Medical School	1946

Internship - U.S. Public Health Service, Marine Hospital, Seattle, Washington	1947
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License - State of Washington, Medicine and Surgery	1948
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POSITIONS

Professor of Pharmacology and Toxicology - School of Medicine, University of Washington	1976-present
Research Affiliate - Regional Primate Center, University of Washington	1968-present
Professor of Pharmacology and State Toxicologist - School of Medicine, University of Washington	1957-1976
Associate Professor of Pharmacology and State Toxicologist - School of Medicine, University of Washington	1955-1957
Captain - U.S. Army Medical Corps (Active Duty)	1953-1955
Associate Professor - Department of Pharmacology, School of Medicine, University of Washington	1949-1953
Assistant Professor - Department of Pharmacology, School of Medicine, University of Washington	1947-1949
Medical Intern - U.S. Marine Hospital, Seattle, Washington	1946-1947
Fellow - Department of Pharmacology, Yale University	1944-1945
Laboratory Assistant - Department of Pharmacology, School of Medicine, Yale University	1943-1944
Research Fellow - Metabolic Research Unit, Department of Medicine, University of Buffalo and Buffalo General Hospital	1942-1943
Research Fellow - Department of Pharmacology, School of Medicine, University of Buffalo	1942-1943
Laboratory Assistant - Department of Pharmacology, School of Medicine, University of Buffalo	1941-1942
Laboratory Assistant - Department of Physiology, School of Medicine, University of Buffalo	1940-1941
Graduate Fellow - School of Pharmacy, University of Buffalo	1939-1940

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SOCIETIES

REDACTED

COMMITTEES AND BOARDS

EPA Scientific Review Panel for Health Research, Member, 1980.
 Committee Member, Sub-chronic Toxicity Test Protocols, E.P.A., 1979.
 Pharmacology-Toxicology Section Chairman for Peer Review of NASA Life Sciences Proposals, American Institute Biological Sciences, 1978.
 Editorial Board, Combustion Toxicology, Technomic Press, 1975-present.
 Toxicology Education Award-Society of Toxicology and Forum for Advancement of Toxicology, 1976.
 Advisory Board, Springer-Verlag Handbuch series, 1973-present.
 U.S. Dept. Commerce, Committee Panelist, Marine Ecosystems Analysis, N.Y. Bight Project, 1976-1977.
 National Academy of Science, Toxicology Information Center, Committee Member Chronic Toxicity Tests, 1976.
 National Academy of Science, National Materials Advisory Board, Committee Member on Health Hazards of Pyrolysis Products of Polymers, 1973-1978.
 National Institute Occupational Safety & Health Review Consultant (Formaldehyde) 1976.
 National Institute Occupational Safety & Health Review Consultant (Phenol) 1975.
 Advisory Committee to Review the Use of 2,4,5,-T, Agricultural Research Service, U.S. Department of Agriculture, 1970-1973.
 Committee for Identification of Research Needs in Water, Environmental Health Service, Public Health Service, Department of Health, Education and Welfare, 1970.
 Pharmacology-Toxicology Training Committee, National Institute of General Medical Sciences, National Institutes of Health, 1970-1974.
 President - Western Pharmacology Society, 1969-1970.
 President - Society of Toxicology, 1969-1970.
 Pharmacology-Toxicology Review Committee, National Institute of General Medical Sciences, National Institutes of Health, 1966-1970.
 Advisory Committee, Pesticides Regulation Division, U.S. Department of Agriculture, 1966-1970.
 Advisory Committee on Protocol for Safety Evaluation, Food and Drug Administration, 1966-1969.
 Agricultural Advisory Board on Pesticides and Insecticides, State of Washington, 1963-1979.
 Editorial Board - Clinical Pharmacology and Therapeutics, 1960-present.
 Diplomate, National Board Medical Examiners.
 National Safety Council Committee on Tests for Intoxication, 1951-present.

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Loomis, T. A. and E. Neter, "The Combined Bacteriostatic Action of Sulfonamide Compounds and Pyridium upon B. coli in vitro," Urologic and Cutaneous Review, 45: 2-4 (1941).

Loomis, T. A., R. S. Hubbard and E. Neter, "Inhibition of the Bacteriostatic Action of Sulfanilamide by Yeast Extracts," Proc. Soc. exp. Biol., N.Y., 47: 159-163 (1941).

Hubbard, R. S. and T. A. Loomis, "The Determination of Inulin," J. Biol. Chem., 145: 641-645 (1942).

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Loomis, T. A., R. S. Hubbard and G. F. Koepf, "The Excretion of Sulfanilamide and Acetylsulfanilamide by the Kidney of the Rabbit," Amer. J. Physiol., 139: 197-201 (1943).

Loomis, T. A., G. F. Koepf and R. S. Hubbard, "The Excretion of Sulfanilamide and Acetylsulfanilamide by the Human Kidney," Amer. J. Physiol., 141: 158-163 (1944).

Koepf, G. F., R. S. Hubbard and T. A. Loomis, "The Relative Constancy of Inulin and Diodrast Clearances," J. Clin. Invest., 23: 946 (1944).

Drill, V. A. and T. A. Loomis, "Effects of Mapharsen on Bromsulphalein Retention in Normal Dogs," Proc. Soc. exp. Biol., N.Y., 58: 296-298 (1945).

Krop, S. and T. A. Loomis, "A Simple Water Manometer for Recording Intestinal Activity," Science, 102: 155-156 (1945).

Drill, V. A. and T. A. Loomis, "Effect of Methionine Supplements on Hepatic Injury Produced by Carbon Tetrachloride," Science, 103: 199-201 (1946).

Schaffer, N. K. and T. A. Loomis, "Pharmacological Activity of Basic Alkyl Esters of Substituted Pyrrolidine Dicarboxylic Acids: 1. Local Anesthetic Activity and Toxicity," Yale J. Biol. Med., 18: 157-164 (1946).

Loomis, T. A. and N. K. Schaffer, "Pharmacological Activity of Basic Alkyl Esters of Substituted Pyrrolidine Dicarboxylic Acids: 2. Action on Intestine, Uterus and Blood Pressure," Yale J. Biol. Med., 18: 171-184 (1946).

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Loomis, T. A. and R. Spielmeyer, "Local Anesthetic Activity and Toxicity of Di-(β -diethylaminoethyl) ester of 1-benzyl 2,5-dicarboxy pyrrolidine," Yale J. Biol. Med., 18: 165-169 (1946).

Drill, V. A. and T. A. Loomis, "Functional and Fatty Changes in Liver During Chronic Vitamin B Complex Deficiency," Proc. Soc. exp. Biol., N.Y., 61: 374-376 (1946).

Griffith, F. R., Jr., Akira Omachi, J. E. Lockwood and T. A. Loomis, "The Effect of Intravenous Adrenalin on Blood Flow, Sugar Retention, Lactate Output and Respiratory Metabolism of Peripheral (Leg) Tissues in the Anesthetized Cat," Amer. J. Physiol., 149: 64-76 (1947).

Drill, V. A. and T. A. Loomis, "Methionine Therapy in Experimental Liver Injury Produced by Carbon Tetrachloride," J. Pharmacol., 90: 138-149 (1947).

Drill, V. A., T. A. Loomis and Julius Belford, "Effect of Protein and Carbohydrate Intake on Liver Injury Produced in Dogs by Carbon Tetrachloride," J. Indust. Hyg., 29: 180-184 (1947).

Drill, V. A. and T. A. Loomis, "Production of Functional and Fatty Changes in the Liver by Chronic Vitamin B Deficiency, and Interrrelationships with Protein Intake," J. Nutr., 35: 333-349 (1948).

Loomis, T. A., "Response of the Duodenum to Morphine," Proc. Soc. exp. Biol., N.Y., 69: 146-150 (1948).

Loomis, T. A., "Antithrombin and Heparin in Human Blood," J. Lab. Clin. Med., 34: 631-636 (1949).

Loomis, T. A., "Activation and Action of the Fibrinolytic Human Blood Plasma Fractions," J. Lab. Clin. Med., 36: 82-86 (1950).

Farah, A. and T. A. Loomis, "The Action of Cardiac Glycosides on Experimental Auricular Flutter," Circulation, 2: 742-748 (1950).

Loomis, T. A., "A Study of the Rate of Metabolism of Ethyl Alcohol," Quart. J. Studies Alcohol, 11: 527-537 (1950).

Loomis, T. A. and R. Beyer, "An Apparatus for the Continuous and Simultaneous Measurement of Carbon Dioxide and Nitrous Oxide in Respired Air," Anesthesiology, 12: 173-180 (1951).

Smith, J. W. and T. A. Loomis, "The Potentiating Effect of Alcohol on Thiopental Induced Sleep," Proc. Soc. exp. Biol., N.Y., 78: 827-829 (1951).

Loomis, T. A., J. E. Jesseph and R. E. Beyer, "Prolongation of the Anticoagulant Action of Heparin with Procaine and Butacaine Conjugates," J. Pharmacol., 104: 87-92 (1952).

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- Fink, L. D. and T. A. Loomis, "Effect of Dihydroergotamine on Epinephrine Response in the Hind-Limb of Dogs," Proc. Soc. exp. Biol., N.Y., 80: 481-483 (1952).
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- Loomis, T. A., "Effect of Alcohol on Myocardial and Respiratory Function: The Influence of Modified Respiratory Function on the Cardiac Toxicity of Alcohol," Quart. J. Studies Alcohol, 13: 561-570 (1952).
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- Loomis, T. A. and R. E. Beyer, "Heparin-Like Anticoagulant Action of Sulfonated Lignins from Commercial Waste Sulfite Liquor," J. Pharmacol., 109: 21-25 (1953).
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- Horita, A. and T. A. Loomis, "The Influence of Anticoagulants on the Formation and Regression of Experimental Atherosclerosis," J. exp. Med., 100: 381-390 (1954).
- Loomis, T. A. and S. Krop, "The Influence of Sarin on Respiratory Effort and Pulmonary Ventilation," Medical Laboratories Research Report No. 352 (1955).
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- Loomis, T. A., "A Broncho-Constrictor Agent in Cigarette Smoke," Proc. Soc. exp. Biol., N.Y., 92: 337-340 (1956).
- Loomis, T. A., "The Effect of an Aldoxime on Acute Sarin Poisoning," J. Pharmacol., 118: 123-128 (1956).
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- Krop, S. and T. A. Loomis, "Treatment of Anticholinesterase Poisoning by Phosphate Insecticides and 'Nerve Gas'," N.Y. State J. Med., 56: 1766-1768 (1956).
- Loomis, T. A., "General Toxicology," Proc. Natl. Assn. Coroners, pp. 22-27 (1956).
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- Loomis, T. A., "The Choice of Drugs Affecting the Coagulation of Blood," In Drugs of Choice 1958-1959, ed. Walter Modell, pp. 727-742, C. V. Mosby: St. Louis (1958).
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- Loomis, T. A. and B. Salafsky, "Paper Electrophoresis of Fibrinogen and its Products," Thrombosis Et Diathesis Haemorrhagica, 9: 155-163 (1963).
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- Loomis, T. A., M. J. Welsh, Jr. and G. T. Miller, "A Comparative Study of Some Pyridinium Oximes as Reactivators of Phosphorylated Acetylcholinesterase and as Antidotes in Sarin Poisoning," Tox. appl. Pharmacol., 5: 588-598 (1963).
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- Loomis, T. A., "Reversal of a Soman-Induced Effect on Neuromuscular Function by Oximes," Life Sci., 5: 1255-1261 (1966).
- Loomis, T. A., "Pharmacology of Alcoholism," Western Medicine 7: Supplement 3, 5-7 (1966).
- Loomis, T. A. and A. C. Konker, "Effects of an Organic Phosphate on the Response of Denervated Muscle to Acetylcholine and Some Neuromuscular Blocking Agents," Arch. int. Pharmacodyn., 165: 308-318 (1967).
- Loomis, T. A., "Neuromuscular Function in the Absence of Cholinesterase," Arch. int. Pharmacodyn., 165: 319-327 (1967).
- Johnson, D. D., and T. A. Loomis, "Organophosphate Induced Post-Tetanic Depression of the Twitch Response," Arch. int. Pharmacodyn., 167: 227-236 (1967).
- Loomis, T. A., "Drug Metabolism," Proceedings of the Fourth International Congress on Pharmacology, Vol. 1, pp. 142-145 (1969).
- Loomis, T. A., "Symposium on the Evaluation of the Safety of Food Additives and Chemical Residues: Introduction," Tox. Appl. Pharmacol., 16:495-497 (1970).

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- Reinhart, C. and T. A. Loomis (Eds.) Fire Safety Aspects of Polymeric Materials Volume 3, Smoke and Toxicity, Nat'l Acad. Sciences, Technomic Press, (1978).
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103:321-324, (1979).

Loomis, T.A., "Cutaneous Toxicity Symposium, Skin as a Portal of Entry for
Systemic Effects": In Current Concepts in Cutaneous Toxicity, Academic
Press, pp. 153-169, (1980).

Loomis, T.A., "Chlorinated Dibenzodioxins in Human Milk and Their Toxicologic
Significance": Tox. and Appl. Pharmacol. In press, (1980).

Loomis, T.A., "The Pharmacology of Alcohol in Alcoholism, Development,
Consequences and Interventions, 2nd Edition. Estes, N.J., and Heineman,
M.E. (Eds.). St. Louis, C. V. Mosby, pp. 93-101, (1982).

Textbooks:

Essentials of Toxicology, by T. A. Loomis
Lea and Febiger Publishers, 1968.

Essentials of Toxicology, by T.A. Loomis (2nd Edition)
Lea and Febiger Publishers, 1974.

Essentials of Toxicology, by T.A. Loomis (3rd Edition)
Lea and Febiger Publishers, 1978.

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